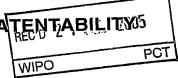
PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PA

(Chapter II of the Patent Cooperation Treaty)



(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PLB/CP/Y4200	FOR FURTHER ACTION	See Form PCT/IPEA/416		
International application No.	International filing date (day/month/year	r) Priority date (day/month/year)		
PCT/GB2004/004141	28.09.2004	02.10.2003		
International Patent Classification (IPC) or na	tional classification and IPC			
G01N15/06, G01N1/22, G01N21/53,	G01N21/85			
do 11416/66, do 11111==,				
Applicant				
UNIDATA EUROPE LIMITED et al.				
This report is the international pre	liminary examination report, establis	shed by this International Preliminary Examining o Article 36.		
Authority under Article 35 and transmitted to the applicant absoluting to visite applicant absoluting to visite applicant absoluting to visite applicant absoluting to visite applicant absolution and transmitted to the applicant absoluting to visite applicant absolution and transmitted to the applicant absolution and applicant absolution and applicant absolution and applicant absolution absolution and applicant absolution absolution absolution and applicant absolution absolution absolution absolution and applicant absolution abs				
2. This REPORT consists of a total of 5 sheets, including this cover sheet.				
3. This report is also accompanied by ANNEXES, comprising:				
a. sent to the applicant and to the International Bureau) a total of sheets, as follows: a. sent to the applicant and to the International Bureau) a total of sheets, as follows:				
a. U sent to the applicant and to the international European States of the description, claims and/or drawings which have been amended and are the basis of this report sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
l .	الخديد منطف المناب والمار	thority considers contain an amendment that goes		
beyond the disclosure in the international application as filed, as indicated in the				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental sequence listing and/or tables related thereto.				
	bles related thereto, in computer rea e Listing (see Section 802 of the Adn			
Box Helating to Sequence	s Listing (655 555tip).			
4. This report contains indications relating to the following items:				
☐ Box No. I Basis of the o	pinion			
☐ Box No. II Priority		A A A A A A A A A A A A A A A A A A A		
		ty, inventive step and industrial applicability		
☐ Box No. IV Lack of unity of	of invention			
⊠ Box No. V Reasoned state applicability; c	tement under Article 35(2) with rega itations and explanations supporting	rd to novelty, inventive step or industrial g such statement		
☐ Box No. VI Certain docur	nents cited			
☐ Box No. VII Certain defec	ts in the international application			
☐ Box No. VIII Certain observations on the international application				
Date of submission of the demand	Date of co	ompletion of this report		
05.05.2005	22.09.20	005		
		1000		
Name and mailing address of the internal	donal Authorized	d Officer		
preliminary examining authority:				
	S BAS I KOCO. A			
NL-2280 HV Rijswijk - Pay Tel. +31 70 340 - 2040 Tx Fax: +31 70 340 - 3016	Telephon	ne No. +31 70 340-		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/GB2004/004141

	Box No. I Basis of the report		
1.	With regard to the language , this report is based on the international application in the language in which it filed, unless otherwise indicated under this item.		
	 □ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of: □ international search (under Rules 12.3 and 23.1(b)) □ publication of the international application (under Rule 12.4) □ international preliminary examination (under Rules 55.2 and/or 55.3) 		
2.		the international application, this report is based on <i>(replacement sheets which)</i> Jung Office in response to an invitation under Article 14 are referred to in this	
	Description, Pages		
	1-17	as originally filed	
Claims, Numbers			
	1-30	as originally filed	
Drawings, Sheets			
	1/7-7/7	as originally filed	
	☐ a sequence listing and/or at	ny related table(s) - see Supplemental Box Relating to Sequence Listing	
;	The amendments have res the description, pages the claims, Nos. the drawings, sheets/fig the sequence listing (sp any table(s) related to s	s pecify): sequence listing <i>(specify)</i> :	
	had not been made, since they Supplemental Box (Rule 70.2(c) the description, pages the claims, Nos. the drawings, sheets/fig.	gs necify):	
	☐ any table(s) related to	some or all of these sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/GB2004/004141

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

3,5,13,14,16,23,28,30

No: Claims

1,2,4,6-12,15,17-22,24-27,29

Inventive step (IS)

Yes: Claims

No: Claims

1-30

Industrial applicability (IA)

Yes: Claims

1-30

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

duct one on capable ions e AVQIII Cause the aim 22 has ditional

Re Item V.

- 1 The following document is referred to in this communication:
 - D1: EP-A-1 061 356 (GEN ELECTRIC) 20 December 2000 (2000-12-20)
 - D2: US-A-5 271 264 (CHANAYEM STEVE G) 21 December 1993 (1993-12-21)
 - D3: EP-A-0 618 440 (IBM) 5 October 1994 (1994-10-05)
 - D4: WO 99/64841 A (ROSE THOMAS H) 16 December 1999 (1999-12-16)
 - D5: US-A-5 471 299 (HIRST EDWIN ET AL) 28 November 1995 (1995-11-28)
 - D6: GB-A-2 340 936 (MALVERN INSTR LTD) 1 March 2000 (2000-03-01)
 - D7: US 2001/016430 A1 (NAKANO HIROYUKI ET AL) 23 August 2001 (2001-08-23)

2 INDEPENDENT CLAIM 1

2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT. Document D1 which refers to an in-line particulate detector discloses (the references in parenthesis applying to this document):
An apparatus for detecting presence of transient particulate in gas within a duct (column 2, line 51-53 with col. 1, l. 3-18), said apparatus comprising at least one emitter of illumination selected from infra-red, ultraviolet and visible radiation capable of being projected over essentially the entire cross section of the duct (sections [0013] and [0016]) and at least one detector for detecting any sparkle of the illumination from the particulate (section [0016]).

3 INDEPENDENT CLAIM 22

- 3.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 22 is not new in the sense of Article 33(2) PCT. Claim 22 has essentially the same technical features as claim 1 but has the following additional technical feature:
 - detecting particulate ... above its normal zero or acceptable level.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

PCT/GB2004/004141

The additional feature is also disclosed by document D1, c.f. section [0021] of D1. Therefore the technical features of claim 22 are entirely anticipated by D1.

DEPENDENT CLAIMS 2-21, 23-30

Dependent claims 2-21, 23-30 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).